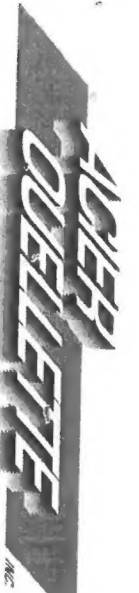


PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name	
PO038398	ACI001-VC	1	1	Net 30	M304S20GA	304/316 .040 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf		OK		128	11/23/2017	128		S012844	Stock	11/23/2017	\$ 3.91 / sf	0		\$500.29	Acier Ouellett Inc.	
		2			M304S16GA	304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf				96		96		S012845	Stock	11/23/2017	\$ 6.51 / sf	0		\$624.83	Acier Ouellett Inc.	
		3			M17-4-R0.750	17-4 Round Bar .750 : 17-4 PH / S17400 / TYPE 630 SS ROUND BAR PER AMS 5643 / ASTM A564 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI receive ft				24		12		S012846	Stock	11/23/2017	\$ 8.28 / ft	0		\$100.13	Acier Ouellett Inc.	
		5			M304R.250	304 SS Round bar .250 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft					12		12		S012847	Stock	11/23/2017	\$ 0.50 / ft	0		\$6.06	Acier Ouellett Inc.
		6			M304R0.375	304 Round Bar 0.375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft					60		61		S012848	Stock	11/23/2017	\$ 1.19 / ft	0		\$72.82	Acier Ouellett Inc.
		13			M6061T6B0.125X2.500	6061T6 Bar .125 X 2.50 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				20		20		S012926	Stock	11/23/2017	\$ 0.98 / ft	0		\$19.55	Acier Ouellett Inc.	
		14			M6061T6B2.000X03.500	6061-T6 Bar 2.00 X 3.50 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft					12		12		S012849	Stock	11/23/2017	\$ 27.18 / ft	0		\$326.19	Acier Ouellett Inc.
16			M1018B0.500X05.000	1010-1025 Steel Bar .500 X 5.000 : MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft					6	11/21/2017	6		S012850	Stock	11/23/2017	\$ 12.37 / ft	0		\$74.23	Acier Ouellett Inc.		
Total:										358		348									\$1,359.76	



# ACIER OUELLETTE INC.

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

## DELIVERY - CLIENT

CO00062623

### Billed to

DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

Instruction F-M

Att: CHANTAL LAVOIE Tél.: 613-632-5200  
Delivery Route 5

Page 1

1

Product Description	Weight	Qty	U/M	PCS NB				Internal Use Only			
				CMD	EXP	B/O		IN	I	S	C
1 SHEET SS 20G SS304-2B (4 X 8) FESS-20G483042B 3430	200.96	128.00	PI2_\$CLB		4x						
4 X 4' X 8' HEAT					4x8						
2 SHEET SS 16G SS304-2B (4 X 8) FESS-16G483042B 3419	252.00	96.00	PI2_\$CLB		4x8						
3 X 4' X 8' HEAT					4x8						
3 ROUND SS 3/4 17-4PH NS RSS-34174 9268	18.02	12.00	PI_\$CLB		1x						
1 X 12' R/L HEAT					1x						
4 ROUND SS 1/4 304 RANDOM RSS-14-V 5742	2.00	12.00	PI_\$CLB		1x						
1 X 12' R/L HEAT					1x						

800-11-23

NIR : R-109516-6

Next Page...



935, boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

CL10001056

2017/11/17

2017/11/21

038398

**Josianne Bourdon**

QUELLETTE VALLEY-FIELD

Net 30 Days

2

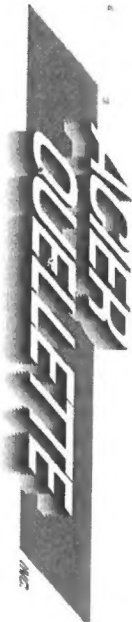
, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction		T-M	Delivery Route		5	Page		2						
Product Description			Weight	Qty	U/M	PCS NB			Internal Use Only					
						CMD	EXP	B/O	IN	I	S	C	OUT	
5	ROUND SS 3/8 304 RANDOM RSS-38-V		22.56	60.00	PI_\$CLB	1x 12' 1"	3x 12' 3"	1x 12' 4"						
6	ALU SHEET .020 (24G) 6061-T6 (4 X 12) FEAL-0204126061		13.54	48.00	PI2_\$CLB									
1 X 4' X 12' HEAT ** MATERIEL DOIT ETRE STAMPER**						1x								
TRANSFERT ST-JEROME LE 20/11														
8	ALU SHEET .040 (18G) 6061-T6 (4 X 8) FEAL-040486061		36.03	64.00	PI2_\$CLB									
2 X 4' X 8' HEAT ** MATERIEL DOIT ETRE STAMPER**														

NIR : R-109516-6

**Next Page...**

**ACIER OUELLETTE INC.**

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**DELIVERY - CLIENT**

CO00062623

**Billed to**

DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Instruction** F-M

Delivery Route 5

**Page**

3

**Customer N°**

CL10001056

**Date**

2017/11/17

**Delivery date**

2017/11/21

**Your order N°**

038398

**Processed by**

Josianne Bourdon

**Salesman****Carrier**

OUELLETTE VALLEYFIELD

**Credit Terme**

Net 30 Days

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
TRANSFERT ST-JEROME LE 20/11										
10 ALU SHEET .064 (14G) 6061-T6 (4 X 8) FEAL-064486061 3175 2 X 4' X 8' HEAT ** MATERIEL DOIT ETRE STAMPER** TRANSFERT ST-JEROME LE 20/11	57.66	64.00	PI2_\$CLB			2x				
12 ALU SHEET .081 (12G) 6061-T6 (4 X 12) FEAL-0814126061 3195 2 X 4' X 12' HEAT ** MATERIEL IT ETRE STAMPER **	109.54	96.00	PI2_\$CLB			2x				

NIR : R-109516-6

SPV 11-23

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mt: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mt: 514-336-4246 Ext.: 866-456-4242

**DELIVERY - CLIENT**

CO00062623

**Billed to**

DART AEROSPACE LTD

1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Instruction F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200  
Delivery Route 5

Page

4

Customer N°

CL10001056

Date

2017/11/17

Delivery date

2017/11/21

Your order N°

038398

Processed by

Josianne Bourdon

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

Product Description	Weight	qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
13 FLAT ALU 1/8 X 2 1/2 6061-T6 RANDOM FAL-18212-V 2547 1 X 20' HEAT	7.35	20.00	PI_\$CLB								
14 FLAT ALU 2 X 3 1/2 6061-T6 RANDOM NS FAL-2312-V 8260 1 X 12' HEAT AC11380-RY-20/11	101.00	12.00	PI_\$CLB								
15 FLAT ALU 1 1/2 X 3 6061-T6 RANDOM FAL-1123-V 2445 1 X 12' HEAT TRANSFERT ST-JEROME LE 20/11	63.50	12.00	PI_\$CLB								

NIR : R-109516-6

Next Page...

**ACIER OUELLETTE INC.**

935, Bou. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Customer N°**

CL10001056

Date \_\_\_\_\_

2017/11/17

Delivery date

2017/11/21 00:00

**Your order No.**

038398

**Billed to**  
DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

**Processed by  
Salesman**

**Josianne Bourdon**

Carrier

QUELLETTE VALLEYFIELD

Att : CHANTAL LAVOIE Tél : 613-632-5200

## Credit Terms

Net 30 Days

Instruction	F-M
-------------	-----

Delivery Route 5

Page

5

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### Conditions :

**Total Weight (Lbs) :** 884.16

NIR : R-109516-6

All sold and delivered materials remain the property of "Acier Quelette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Quelette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Quelette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

**Prepared By :**

Verified By :

Delivered By :

Time

Total (\$CAD)

Customer's Signature \_\_\_\_\_

Date \_\_\_\_\_



# ACIER OUELLETTE INC.

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

# DELIVERY - CLIENT

CO00062645

## Billed to

DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

## Shipped to

, Ontario,

Instruction F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200  
Delivery Route 5

Page 1

Credit Terme

Net 30 Days  
OUELLETTE VALLEYFIELD

Salesman

Processed by

Josianne Bourdon

Your order N°

038398

Delivery date

2017/11/21

Customer N° CLI0001056  
Date 2017/11/17

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
1 FLAT CR 1/2 X 5 1018 RANDOM FCR-125-V 2714	51.00	6.00	PL \$CLB		1X 6					
1 X 6' HEAT COUPE A LA SCIE SCIE 1		1.00	UN							

SP 11-23

Total Weight (Lbs) : 51.00

NIR : R-109516-6

**Conditions :**  
All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

Verified By :

Delivered By :

Time

EP NM

VF

Customer's Signature

17/11/21

Date

Total (\$CAD)





Dart Hawkesbury  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

## PURCHASE ORDER PO038398

**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**PO No:** PO038398  
**PO Date:** 11/17/17  
**Due Date:** 11/23/17  
**Purchase Order  
Revision:**  
**Revision Date:**  
**Ship-To Contact:** Baker, Diane  
Phone: dbaker@dartaero.com

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground  
**Pynt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:** QUOTATION NO: SOU0071247 AND  
SOU0071659

### Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M304S20GA	-	304/316 .040 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf		Firmed	11/23/17	128 sf	0 sf 128 sf	128 sf	\$3.9085/sf	\$500.29
2	M304S16GA	-	304/316 Sheet .063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf		Firmed	11/23/17	96 sf	0 sf 96	96 sf	\$6.508625/sf	\$624.83
3	M17-4-R0.750	-	17-4 Round Bar .750 : 17-4 PH / S17400 / TYPE 630 SS ROUND BAR PER AMS 5643/ ASTM A564 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI receive ft		Firmed	11/23/17	24 ft	0 ft recul 2.1	24 ft	\$8.2754166/ft	\$198.61
4	M2024T3S.032	-	2024-T3 .032 Sheet : MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209 receive sf		Firmed	11/23/17	48 sf	0 sf	48 sf	\$9.26666/sf	\$444.80
5	M304R.250	-	304 SS Round bar .250 : MATERIAL: AISI 304/316		Firmed	11/23/17	12 ft	0 ft 12 ft	12 ft	\$0.500833/ft	\$6.01





Dart Hawkesbury  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO038398

## Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
			SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft								
6	M304R0.375	-	304 Round Bar 0.375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft		Firmed	11/23/17	60 ft	0 ft	60 ft	\$1.188/ft	\$71.28
								61.3			
											SPR-11-23
7	M4130NR0.375	-	4130 Steel Round Bar .375" : MATERIAL: AISI 4130N ROUND BAR AS PER MIL-S-6758 OR AMS 6348/6370/6528 receive ft		Firmed	11/29/17	12 ft	0 ft	12 ft	\$21.50/ft	\$258.00
8	M60610S.032	-	6061 0 Sheet .032 : MATERIAL: 6061-OS ALUMINUM SHEET AMS- QQ-A-250/11 OR AMS 4025 receive sf		Firmed	11/23/17	48 sf	0 sf	48 sf	\$8.4375/sf	\$405.00
9	M6061T6S.020	-	6061-T6 Sheet .020 : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf		Firmed	11/23/17	48 sf	0 sf	48 sf	\$1.736875/sf	\$83.37
10	M6061T6S.040	-	6061-T6 .040 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf		Firmed	11/23/17	64 sf	0 sf	64 sf	\$4.4757812/sf	\$286.45
11	M6061T6S.063	-	6061-T6 .063 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf		Firmed	11/23/17	64 sf	0 sf	64 sf	\$2.7565625/sf	\$176.42
								64 sf			
											SPR-11-23
12	M6061T6S.080	-	6061-T6 .080 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf		Firmed	11/23/17	96 sf	0 sf	96 sf	\$5.203958/sf	\$499.58
								96 sf			
											SPR
13	M6061T6B0.125X2.500	-	6061T6 Bar .125 X 2.50 : MATERIAL: 6061-		Firmed	11/23/17	20 ft	0 ft	20 ft	\$0.9775/ft	\$19.55
								20 ft			
											SPR-11-23



Dart Hawkesbury  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## PO038398

### Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
			T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft								
14	M6061T6B2.000X03.500	-	6061-T6 Bar 2.00 X 3.50 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft		Firmed	11/23/17	12 ft	0 ft	12 ft	\$27.1825/ft	\$326.19
15	M6061T6B1.500X3.000	-	6061T6 Bar 1.500 X 3.000 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft		Firmed	11/23/17	12 ft	0 ft	12 ft	\$14.074166/ft	\$168.89
16	M1018B0.500X05.000	-	1010-1025 Steel Bar .500 X 5.000 : MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft		Firmed	11/21/17	6 ft	0 ft	6 ft	\$12.371666/ft	\$74.23

Grand Total: \$4,143.50

### Order Notes

DWG REV D

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system



Dart Hawkesbury  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

## **PURCHASE ORDER PO038398**

### **Order Notes**

A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 11/17/17 12:02 PM dart.lavoie.chantal

**ACIER OUELLETTE INC.**

935, Boul. du H vre  
Salaberry de Valleyfield (Qu bec) J6S 5L1  
T l.: 450-377-4248 M l: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 M l: 514-336-4246 Ext.: 866-456-4242

**Quotation****SOU0071247****Billed to**

DART AEROSPACE LTD  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

**Customer N **

CLI0001056

**Date**

2017/11/15

**Revision N **

0

**Prices valid until**

2017/11/22

**Your Order N ****Processed by**

BERNARD

**Salesman**

JOSIANNE

**Carrier**

OUELLE SDV

**Credit Terms**

Net 30 Days

**Page**

1

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
SHEET SS 20G SS304-2B (4 X 8) FESS-20G483042B 3430 4 X 4' X 8' STOCK	200.96	128.00	PI2_\$CLB	4.00	UN		4.00	125.072	500.29
SHEET SS 16G SS304-2B (4 X 8) FESS-16G483042B 3419 3 X 4' X 8' STOCK	252.00	96.00	PI2_\$CLB	3.00	UN		3.00	208.276	624.83
ROUND SS 3/4 17-4PH NS RSS-34174 9268 2 X 12' R/L 2-3 DAYS	36.05	24.00	PI_\$CLB	24.00	PI		2.00	99.305	198.61
ALU SHEET .032 (20G) 2024-T3 RANDOM FEAL-0322024-V 3087 1 X 4' X 12' 3-4 DAYS	14.43	32.00	PI2	32.00	PI2		1.00	444.800	444.80
FLAT SS 1/2 X 4 SS304 RANDOM RSS-124-V 3501 1 X 6' STOCK COUPE A LA SCIE SCIE 1	40.80	6.00	PI_\$CLB	6.00	PI		1.00	130.750	130.75
ROUND SS 1/4 304 RANDOM RSS-14-V 5742 1 X 12' R/L STOCK	2.00	12.00	PI_\$CLB	12.00	PI		1.00	6.010	6.01
ROUND SS 3/8 304 RANDOM RSS-38-V 5768 5 X 12' R/L STOCK	22.56	60.00	PI_\$CLB	60.00	PI		5.00	14.256	71.28
4130N 3/8" DIA N 1 X 12' E4340 CF N & T AQ BAR DELIVERY 5-7 DAYS	0.00	1.00	UN	1.00	UN		1.00	258.000	258.00
FEUILLE 6061 O .032 N 1 X 4' X 12' DELIVERY 3-5 DAYS	0.00	1.00	UN	1.00	UN		1.00	405.000	405.00

4130N 3/8" DIA 325

pr vis en fonction de l volution des prix de l'acier sur le march .  
Cette offre est sujette et conditionnelle   l'approbation du cr dit.

Date :

Next Page...



# ACIER OUELLETTE INC.

935, Boul. du H vre  
Salaberry de Valleyfield (Qu bec) J6S 5L1  
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

## Quotation

SOU0071247

### Billed to

DART AEROSPACE LTD  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

### Customer N 

CLI0001056

### Date

2017/11/15

### Revision N 

0

### Prices valid until

2017/11/22

### Your Order N 

### Processed by

BERNARD

### Salesman

JOSIANNE

### Carrier

OUELLE SDV

### Credit Terms

Net 30 Days

### Page

2

Product N� and description	Weight	Qty U/M	Qty U/M	Price	Pcs Nb	Price	Amount
ALU SHEET .020 (24G) 6061-T6 (4 X 12) FEAL-0204126061 3046 1 X 4' X 12' 2-3 DAYS	13.54	48.00 PI2_\$CLB	1.00 UN		1.00	83.370	83.37
ALU SHEET .040 (18G) 6061-T6 (4 X 8) FEAL-040486061 3125 2 X 4' X 8' 2-3 DAYS	36.03	64.00 PI2_\$CLB	2.00 UN		2.00	143.225	286.45
ALU SHEET .064 (14G) 6061-T6 (4 X 8) FEAL-064486061 3175 2 X 4' X 8' 2-3 DAYS	57.66	64.00 PI2_\$CLB	2.00 UN		2.00	88.210	176.42
ALU SHEET .081 (12G) 6061-T6 (4 X 12) FEAL-0814126061 3195 2 X 4' X 12' 2-3 DAYS	109.54	96.00 PI2_\$CLB	2.00 UN		2.00	249.715	499.43
FLAT ALU 1/8 X 2 1/2 6061-T6 RANDOM FAL-18212-V 2547 1 X 20' STOCK	7.35	20.00 PI_\$CLB	20.00 PI		1.00	19.550	19.55
FLAT ALU 2 X 3 1/2 6061-T6 RANDOM NS FAL-2312-V 8260 1 X 12' 2-3 DAYS	101.00	12.00 PI_\$CLB	12.00 PI		1.00	326.190	326.19
FLAT ALU 1 1/2 X 3 6061-T6 RANDOM FAL-1123-V 2445 1 X 12' 2-3 DAYS	63.50	12.00 PI_\$CLB	12.00 PI		1.00	168.890	168.89
SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE			\$				3.95

Total Weight (Lbs)

957.42

### Important

This offer is based on availability and current pricing conditions that may be revised upon  
preavis of the evolution des prix de l'acier sur le march .  
This offer is subject to conditions of credit approval.

Approved and Accepted by :

Date :

### Sub-total

4 203.82

TVH-13 - 546.50

### Total (\$CAD)

4 750.32

88.34



ACIER OUELLETTE INC.

URGER - Sales

COPY

CUUUUb2645

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

CL10001056

Date

2017/11/17

Delivery date

2017/11/21

Your order N°

038398

Processed by

Josianne Bourdon

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.

HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Page

1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only						
				CMD	EXP	B/O	IN	I	S	C	OUT		
1 FLAT CR 1/2 X 5 1018 RANDOM FCR-125-V 2714  1 X 6' HEAT : 55728 COUPE A LA SCIE SCIE  1	51.00	6.00	PL_SCLB	1.00									
Total Weight (LBS) : 51.00													

Conditions :

All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and provided by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his sole discretion, to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

Verified By :

Delivered By : Time

Customer's Signature

Y M D

Total (\$CAD)

Deposit

Balance

83.88

0.00

83.88





**ACIER OUELLETTE INC.**  
935, Boul. du Hêtre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

## Order - Sales

Copy

CO00062623

Customer N°

CL10001056

Date

2017/11/17

Delivery date

2017/11/21

Your order N°

036398

Processed by

Josianne Bourdon

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

### Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.

HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Page

1

Product Description	Weight	Qty	U/M	PCS NB				Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C	OUT
1 SHEET SS 20G SS304-2B (4 X 8) FESS-20G483042B 3430 4 X 4' X 8' HEAT : 160629D02	200.96	128.00	PI2_\$CLB	4.00							
2 SHEET SS 16G SS304-2B (4 X 8) FESS-16G483042B 3419 3 X 4' X 8' HEAT: 514212	252.00	96.00	PI2_\$CLB	3.00							
3 ROUND SS 3/4 17-4PH NS RSS-34174 9268 1 X 12' R/L HEAT: 347T	18.02	12.00	PI_\$CLB	1.00							
4 ROUND SS 1/4 304 RANDOM RSS-14-V 5742 1 X 12' R/L HEAT: 347T	2.00	12.00	PI_\$CLB	1.00							

NIR : R-109516-6

Next Page...



ACIER OUELLETTE INC.

935, Boul. du Hâve  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 MB: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 MB: 514-336-4246 Ext.: 866-456-4242

## Order - Sales

Copy

CO00062623

Customer N°

CL10001056

Date

2017/11/17

Delivery date

2017/11/21

Your order N°

038398

Processed by

Josiane Bourdon

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Page

2

Product Description	Weight	Qty	U/M	PCS NB				Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C	OUT
5 ROUND SS 3/8 304 RANDOM RSS-38-V 5768 5 X 12' R/L HEAT: CH-3840 ALU SHEET .020 (24G) 6061-T6 (4 X 12) FEAL-0204126061 3048	22.56	60.00	PL_\$CLB	5.00							
<del>1 X 4' X 12' HEAT MATERIEL DOIT ETRE STAMPER** TRANSFERT ST-JEROME LE 20/11</del>											
8 ALU SHEET .040 (18G) 6061-T6 (4 X 8) FEAL-040486061 3125 2 X 4' X 8' HEAT ** MATERIEL DOIT ETRE STAMPER**	36.03	64.00	PI2_\$CLB	2.00	0.00						

NIR : R-109516-6

Next Page...



ACIER OUELLETTE INC.

## Order - Sales

Copy

CO000062623

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

CL10001056

Date

2017/11/17

Delivery date

2017/11/21

Your order N°

038398

Processed by

Josianne Bourdon

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

### Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Page

3

Product Description	Weight	Qty	U/M	PCS NB				Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C	OUT
<del>10 TRANSFERT ST-JEROME LE 20/11 ALU SHEET .064 (14G) 6061-T6 (4 X 8) FEAL-0814126061 3175</del>	<del>57.66</del>	<del>64.00</del>	<del>P12_SCLB</del>	<del>0.00</del>	<del>2.00</del>						
<del>2 X 4' X 8' HEAT ** MATERIEL DOIT ETRE STAMPER ** TRANSFERT ST-JEROME LE 20/11</del>	<del>109.54</del>	<del>96.00</del>	<del>P12_SCLB</del>	<del>0.00</del>	<del>2.00</del>						
<del>12 ALU SHEET .081 (12G) 6061-T6 (4 X 12) FEAL-0814126061 3195</del>	<del>109.54</del>	<del>96.00</del>	<del>P12_SCLB</del>	<del>0.00</del>	<del>2.00</del>						
<del>2 X 4' X 12' HEAT ** MATERIEL IT ETRE STAMPER ** TRANSFERT ST-JEROME LE 20/11</del>	<del>7.35</del>	<del>20.00</del>	<del>PL_SCLB</del>	<del>0.00</del>	<del>1.00</del>						
<del>14 FLAT ALU 1/8 X 2 1/2 6061-T6 RANDOM FAL-18212-V 2547</del>	<del>7.35</del>	<del>20.00</del>	<del>PL_SCLB</del>	<del>0.00</del>	<del>1.00</del>						
<del>1 X 20' HEAT : 382411</del>	<del>7.35</del>	<del>20.00</del>	<del>PL_SCLB</del>	<del>0.00</del>	<del>1.00</del>						

NIR : R-109516-6

Next Page...

**ACIER OUELLETTE INC.**  
935, Boul. du Hâvre  
Salaberry de Valleys (Québec) J6S 5L1  
Tél.: 450-317-4248 Mtl.: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-317-5696 Mtl.: 514-336-4246 Ext.: 866-456-4242

## Order - Sales

Copy

CO00062623

**Customer No.**

CLJ0001056

Date \_\_\_\_\_

2017/11/17

**Delivery date**

2017/11/21

**Your order No.**

038398

**Processed by**

**Josianne Bourdon**

## Salesman

## Carrier

QUELLETTE VALLEYFIELD

## Credit Terme

Net 30 Days

Page



Delivery Route 5

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**, Ontario,**

**Shipped to**

**DART AEROSPACE LTD**

**1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7**

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I S C		
								OUT		
15 FLAT ALU 2 X 3 1/2 6061-T6 RANDOM NS FAL-2312-V 8260  1 X 12' HEAT : 874424 AC11380-RV-20/11	101.00	12.00	PL_SCB	1.00						
<del>16 FLAT ALU 1 1/2 X 3 6061-T6 RANDOM FAL-1123-V 2445  1 X 12' HEAT TRANSFERT ST-JEROME LE 20/11 SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE</del>	<del>63.50</del>	<del>12.00</del>	<del>PL_SCB</del>	<del>1.00</del>						
			\$	0.00						

Total Weight: 101.00 X 12.00 = 1212.00

**Conditions :**

All sold and delivered materials remain the property of "Acier Quelette Inc." until payment is made in full, complete and cleared. All lost materials are at the buyer's expense. The warranty offered by "Acier Quelette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Quelette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net: 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to 25% restocking charge.

Prepared By:

Verified By :

Delivered By :	Time
----------------	------

**Customer's Signature**

Y  
M  
D

Total (\$CAD)

3 238.53

Deposit	0.00
---------	------

Balance	3 238.53
---------	----------

# YONGJIN

## MILL TEST REPORT

DATE: 2016-7-31  
 Invoice No. SECAB26503TDS  
 CERTIFICATE NO.: PPCNQ6506TDS

GOODS: STAINLESS STEEL COLD ROLLED COILS 2B FINISH, AS PER AISI 304 PRIME QUALITY,  
 SLITTING EDGE WITH PAPER INTERLEAVED.  
 TYPE: 304 SPEC: ASTM A240/480 ASME SA240/480

MADE IN CHINA  
 PRODUCING MILL: YONGJIN  
 PO NUMBER: C16960

NO.	Surface	Heat No.	Coil No.	DIMENSIONS	Weight (MT)	Mechanical Properties					Static
						T.S (N/mm <sup>2</sup> )	Y.S (N/mm <sup>2</sup> )	Elong %	Hardness		
1	2B	160612C11	YJ16Z05996A	0.024 INCH X 48.00 INCH X COIL	9.648	671	270	58	159/161/162	P536015	
2	2B	160625B01	YJ16Z05945A	0.030 INCH X 48.00 INCH X COIL	9.241	690	279	56	167/167/168	P554952	
3	2B	160629D02	YJ16Z05961A	0.035 INCH X 48.00 INCH X COIL	7.010	690	280	55	167/168/169	P554953	
4	2B	160629D02	YJ16Z05961C	0.035 INCH X 48.00 INCH X COIL	7.084	690	280	55	167/168/169	P554954	
5	2B	160629D02	YJ16Z05961B	0.035 INCH X 48.00 INCH X COIL	6.915	690	280	55	167/168/169	P556016	
TOTAL:					39.898						
NO.	CHEMICAL COMPOSITION %										
	C	Si	Mn	P	S	Cr	Ni	N	Mo	Ti	Cu
1	0.036	0.43	1.16	0.026	0.004	18.15	8.06	0.050	0.024	/	0.08
2	0.044	0.39	1.06	0.024	0.002	18.34	8.01	0.051	0.004	/	0.02
3	0.044	0.59	1.17	0.026	0.003	18.19	8.04	0.046	0.004	/	0.03
4	0.044	0.59	1.17	0.026	0.003	18.19	8.04	0.046	0.004	/	0.03
5	0.044	0.59	1.17	0.026	0.003	18.19	8.04	0.046	0.004	/	0.03
REMARKS	We hereby certify that the material described herein has been manufactured and tested with satisfactory results in accordance with the requirements of the material specification.										Quality Dept. Peter

2016 7 31  
 0.03  
 0.08

Manufacturer / Fabricante / Hersteller <div style="text-align: center; font-size: 24pt; font-weight: bold;">outokumpu</div>		Type of document / Tipo de documento / Art der Prüfbescheinigung <div style="font-weight: bold; font-size: 12pt;">INSPECTION CERTIFICATE</div> <div style="font-weight: bold; font-size: 10pt;">CERTIFICADO DE INSPECCION</div> <div style="font-weight: bold; font-size: 10pt;">ABNAHMEPRÜFZEUGNIS</div> according to / de acuerdo con / nach EN 10204-3.1		Document number / Nº de certificado / Bestellnummer <div style="font-weight: bold; font-size: 14pt;">0000253804 /</div> Page / Página / Seite <div style="font-weight: bold; font-size: 14pt;">1 / 1</div>																					
1 Steel Drive; P.O. Box 13000; Calvert, AL 36513-1300																									
Customer's order number / Nº de Pedido Cliente / Kundenbestellung C17332																									
Manufacturer's works order no. / Nº de Pedido Manufactura / Werkauftrag nr. 901213420 / 002																									
Delivery note no. / Nº de Entrega / Lieferungs Nr. 85464320 / 010																									
Product / Producto / Erzeugnis SHEET/BOJAS/BLECH																									
Steel grade and quality / Acero / Stahlklasse und Edelmetalle TYPE 304L/304																									
Testing delivery / Condiciones de entrega / Lieferbedingungen ASTM A240/A240M-15a, ASME SA-240 Sec. II part A Ed.2015 ASTM A480/A480M-15b, ASME SA-480 Sec. II part A Ed.2015 ASTM A666-15																									
Customer's material ref. / Nº de material del cliente / Kundenmaterial-Nr. 7081688		Product dimensions (Thickness / Width / Length) / Dimensiones (Espesor / Ancho / Largo) / Maße des Erzeugnisses (Dicke / Breite / Länge) 1.52 mm x 1,218.20 mm x 2,458.40 mm 0.0600 inch x 48.0000 inch x 96.0000 inch		Stretching procedure / Proceso de mandado / Vorziehen AOD																					
Heat / Calado / Schmelze 514212		Heat no. / Calado no. / Band-Nr. 790960		Sample id. / Nº de muestra / Proben-Nr. 1000461411																					
Actual weight / Peso actual / Ist-Gewicht 2,601 lb / 1,180 kg		Sample id. / Nº de muestra / Proben-Nr. 1000461412		Sample id. / Nº de muestra / Proben-Nr. 1000461412																					
Sum / Suma / Summe 34		Sum / Suma / Summe 2,601 lb / 1,180 kg		Sum / Suma / Summe 34																					
Heat / Calado / Schmelze 514212		Chemical composition / Composicion Quimica / Chemische Zusammensetzung <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8pt;"> <thead> <tr> <th>% C</th> <th>% Si</th> <th>% Mn</th> <th>% P</th> <th>% S</th> <th>% Cr</th> <th>% Mo</th> <th>% Ni</th> <th>% N</th> <th>% Cu</th> </tr> </thead> <tbody> <tr> <td>0.027</td> <td>0.36</td> <td>1.75</td> <td>0.025</td> <td>0.0010</td> <td>18.05</td> <td>0.21</td> <td>8.03</td> <td>0.067</td> <td>0.27</td> </tr> </tbody> </table>				% C	% Si	% Mn	% P	% S	% Cr	% Mo	% Ni	% N	% Cu	0.027	0.36	1.75	0.025	0.0010	18.05	0.21	8.03	0.067	0.27
% C	% Si	% Mn	% P	% S	% Cr	% Mo	% Ni	% N	% Cu																
0.027	0.36	1.75	0.025	0.0010	18.05	0.21	8.03	0.067	0.27																
Sample Position / Local de la muestra / Probenlage TRANSVERSE		Inspection lot / Lote de inspeccion / Prüflot <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8pt;"> <thead> <tr> <th>Y30.2% PSI / MPa</th> <th>TS PSI / MPa</th> <th>EL A2" %</th> <th>HRB</th> </tr> </thead> <tbody> <tr> <td>43,610 / 300</td> <td>97,316 / 671</td> <td>57.7</td> <td>84</td> </tr> <tr> <td>42,784 / 295</td> <td>97,026 / 668</td> <td>50.1</td> <td>84</td> </tr> </tbody> </table>				Y30.2% PSI / MPa	TS PSI / MPa	EL A2" %	HRB	43,610 / 300	97,316 / 671	57.7	84	42,784 / 295	97,026 / 668	50.1	84								
Y30.2% PSI / MPa	TS PSI / MPa	EL A2" %	HRB																						
43,610 / 300	97,316 / 671	57.7	84																						
42,784 / 295	97,026 / 668	50.1	84																						
Resistant to intergranular corrosion / Resistente como corrosión intergranular / Beständig geg. intergran. Korrosion: ASTM A 262 PRACTICE E - Sample Acceptable OK																									
Test of identity (spectrum analysis) / Control de identidad (prueba espectrográfica) / Verwechslungsprüfung (Spektalanalyse) OK																									
Heat Treatment: Solution annealed 1920 °F Min, Air or water cooled Bending test O.K. No welding or weld repairs were performed on this material No intentional additions of Mercury compounds were made or used Free of radioactive contamination EU RoHS Directive 2011/65/EU Compliant Product manufactured in the USA Country of Heat as per ISO 3166-1																									
Design of the document / Original del documento / Vorstellen der Bescheinigung Outokumpu Stainless USA, LLC An ISO 9001: 2008 certified company EU PED 97/23/EC, Annex I, 4.3 certified Certificate is given and automatically / Certificado es given y automáticamente / Das Zeugnis wird automatisch erstellt		The information provided is a true copy of data on file / Los valores suministrados corresponden a los datos archivados / Die angegebenen Werte entsprechen den gespeicherten Daten  Andrew J. Smith Printer: 11 251 878 3402 Name of expert / Nombre del experto / Name des Sachverständigen		Date of issue and validation / Fecha de emisión y validación de Datum Ausstellung / Bestätigung 02/27/2017 This document shall not be altered or reproduced, except in full / Traducción, edición, o copia no autorizada por terceros may be prosecuted by law.																					

P998707

# CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 02

Certification Date  
15-NOV-2017

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

Invoice Number  
S699969

AC00011066  
PART NUMBER/NUMÉRO DE PIÈCE

SOLD TO: ACIER OUELLETTE INC. SHIP TO: ACIER OUELLETTE INC.  
VENDU À: DIVISION SALABERRY DE VALLEYFIELD DIVISION SALABERRY DE VALLEYFIELD  
935, BOUL. DU HAVRE 935, BOUL. DU HAVRE  
SALABERRY-DE- VALLEYFIELD QC J6S 5L1 SALABERRY-DE- VALLEYFIE QC J6:

Description: 17-4 SOL ANN CF BAR ASTM A564  
3/4 RD X 12" R/L Line Total: 36 LB  
HEAT: 351L ITEM: 510517

Specifications:  
AMS 5643 U ASTM A564 T630 13 ASME SA564 T630 13  
EN 10204 3.1 AMS 2303 F

## CHEMICAL ANALYSIS

C	CB	CR	CU	MN	MO	NI	P
0.038	0.245	15.32	3.18	0.77	0.02	4.21	0.017
S	SI	TA	CBTA				
0.022	0.51	0.005	0.25				

RCPT: R264553

COUNTRY OF ORIGIN : USA

## MECHANICAL PROPERTIES

DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED IN AREA	HARDNESS BHN
COND A					341
DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED	HARDNESS
DEV: H900 L	KSI	KSI	IN 02 IN	IN AREA	RC
	181.0	195.0	17.0	59.0	44

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. Les informations ci-haut-mentionnées sont transcrits du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession/Par les présentes, nous certifions que le matériel couvert par ce rapport n'a rencontré les spécifications décrites ci-haut.

MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ



**CERTIFICATE OF TEST**  
**CERTIFICAT D'ESSAIS**

Page 02 of 02

Certification Date  
15-NOV-2017

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

AC00011066

Invoice Number  
S699969

PART NUMBER/NUMÉRO DE PIÈCE

SOLD TO:	ACIER OUELLETTE INC.	SHIP TO:	ACIER OUELLETTE INC.
VENDU À:	DIVISION SALABERRY DE VALLEYFIELD	EXPÉDIÉ À:	DIVISION SALABERRY DE VALLEYFIELD
	935, BOUL. DU HAVRE		935, BOUL. DU HAVRE
	SALABERRY-DE- VALLEYFIELD QC J6S 5L1		SALABERRY-DE- VALLEYFIELD QC J6

Description: 17-4 SOL ANN CF BAR  
3/4 RD X 12' R/L

ASTM A564  
Line Total: 36 LB

HEAT: 351L

ITEM: 510517

MATERIAL IS FREE FROM MERCURY CONTAMINATION  
NO WELD REPAIR PERFORMED ON MATERIAL  
MACRO: OK  
MICRO: OK

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come into contact with personnel in our possession. Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.



MANAGER QUALITY ASSURANCE  
GERANT DE L'ASSURANCE QUALITÉ



CORROSION: ASTM A262-10 Prac A/E OK

## REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252-225-7009 EU DIRECTIVE  
2011/65/EU, ROHS. EAF-MOD-CC. NO WELD REPAIR. MEL770 AND 316  
IN USA FREE FROM MERCURY AND LOW YELLOW ALLOY CONTAMINATION

Technical  
Dept. Mgr.   
KRIS LARK 5/26/2017

#5763

RSS-38-12

48194

P06840



# CHANDAN STEEL LIMITED

(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

ADM. OFFICE: 04, CHANDAN NAGAR, PUNJAB, INDIA

Tel.: 91-22-4455888, Fax: 91-22-4455889/90

Website: www.chandansteel.net

Email: info@chandansteel.net

L/c No.:

L/c Date:

WORKS: Plot No. 95, C. I. D. C., Durgam

Dist. Vardol, Gujarat - 385 371

Tel.: 91-66-285 9999 Fax: 91-260 285 9972

E-mail: export@chandansteel.net

FORM QC 09A / 02 / 10.12.2012

## MILL TEST / INSPECTION CERTIFICATE 3.1

ACCORDING TO EN 10204 : 2005

<b>PRODUCT DESCRIPTION</b> <b>STAINLESS STEEL ROUND BARS</b>					Test Certificate No. : EXP/00337 - 13/2016-2017 Date of Issue : 08.07.2016 P. O. No. : P004712 SC No. & Date : 15-16/00924, Dt. 13.04.2016 Invoice No. & Date : EXP/00537/2016-17 Dt. 08.07.2016													
					<table border="1"> <tr> <th colspan="2">LENGTH</th> <th>Net Wt.</th> </tr> <tr> <td>Ordered</td> <td>Actual</td> <td rowspan="2">6458 LBS.</td> </tr> <tr> <td>12' - 126"</td> <td>12' - 126"</td> </tr> </table>		LENGTH		Net Wt.	Ordered	Actual	6458 LBS.	12' - 126"	12' - 126"				
LENGTH		Net Wt.																
Ordered	Actual	6458 LBS.																
12' - 126"	12' - 126"																	
Heat No.	Grade AISI/DIN	Size mm/inches	Tolerance	Process Route														
CH-3840	304/304L 1.4301/1.4307 UNS30400/30403	3/8"	±9	Electric Melting, A.O.D. Refining, Continuous Casting														
<b>CHEMICAL COMPOSITION (Weight %)</b>																		
	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Co	N							
Min.	-	-	-	-	-	18.00	-	8.00	-	-	-							
Max.	0.030	1.00	2.00	0.045	0.030	20.00	1.00	10.50	1.00	-	0.1000							
Results	0.019	0.42	1.71	0.040	0.020	18.21	0.32	8.05	0.41	0.10	0.0690							
<b>MECHANICAL PROPERTIES</b>																		
Specified Values	Test Method : EN ISO 6892-1					Hardness EN ISO 6506-1 (BHN)	Test Method : Charpy V Notch Impact Tested (Joules) as per DIN EN ISO 148-1 Sample Size - Test Temp. : 20 °C (Joules)											
	Proof Strength N/mm <sup>2</sup> / MPa		Tensile Strength N/mm <sup>2</sup> / MPa (Rm)	Elongation after Fracture A %	Reduction of Area %													
	0.2% (Rp0.2)	1% (Rp1.0)																
Results	514	560	712	47	65	215-218	<table border="1"> <tr> <td>I</td> <td>II</td> <td>III</td> <td>Avg.</td> </tr> <tr> <td>N.A.</td> <td>N.A.</td> <td>N.A.</td> <td>N.A.</td> </tr> </table>				I	II	III	Avg.	N.A.	N.A.	N.A.	N.A.
I	II	III	Avg.															
N.A.	N.A.	N.A.	N.A.															
<b>Remarks:</b> 1. Cold drawn & Centrifugal Ground. 2. Solution annealed at 1050 °C. 3. PMI test done 100% & found Satisfactory. 4. Material is free from radio-active contamination. 5. Material is free from mercury contamination. 6. Inter-Granular Corrosion Test as per ASTM A262 - 15 (Pr.B) satisfactory. 7. No welding or weld repairs were performed on this material while in our possession. 8. Micro structure reveals- equiaxed grains of Austenite & free from carbide Precipitation. 9. Grain size - No. 7-8 of ASTM as per E112-96. 10. The material Conforms to ASTM A276-15; ASTM A182/A182M-15; ASME SA 182/SA 182M-15; ASTM A279/A279M-15; ASME SA279/SA 279M-15; ASTM A193/A193M-12b B8 - CL1; ASME SA193/SA193M-15 B8 - CL1; ASTM A320/A320M-11 B8 CL1; ASME SA320/SA 320M-10 B8 CL1; AMS-QQ-S-765E COND A; AMS - 5639H; AMS - 5647H; EN 10204-3 : 2014 & DIN EN 10272-2008 Specification. 11. Location of sample - Centre, Direction - Longitudinal, Test Temp - Room Temp., Shape of Test Piece - Round. 12. Marking details - Company Logo, Size, Grade & Heat No. 13. The material is manufactured /melt in Chandan Steel Mill and is of Indian Origin. BUNDLE NO.: 47 to 51																		

COLOUR : RED



B. S. RAUTELA  
MANAGER - QUALITY ASSURANCE

It is hereby certified that the above results are true and correct in every detail and are meeting the requirements of specification & purchase order.

68926

7/21/19

## Material Test Report

Manifest: 307964

Ship To: Acier Ouellette  
22 J.F. Kennedy Blvd.  
Saint Jerome, QC J7Y 4B6

Our Order: 423424 - 1      Cust P.O.: OU-45666  
Die: ES05649      Part: 05649-000-240  
Alloy Temper: 6061 T6      Description: .125 x 2.500  
Print Date: 4/27/16

### Chemical Composition Range

	<u>Si</u>	<u>Fe</u>	<u>Cu</u>	<u>Mn</u>	<u>Mg</u>	<u>Cr</u>	<u>Zn</u>	<u>Ti</u>	<u>Other Each</u>	<u>Other Total</u>
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

### Mechanical Properties

Strength ksi

<u>Sample ID</u>	<u>Cast #</u>	<u>Lot #</u>	<u>Test Date</u>	<u>Ultimate Tensile</u>	<u>Yield 2% offset</u>	<u>Elongation 2" gage length</u>
422017	3B2411	A11	4/26/16	46.21	41.61	13.2

Applicable Specifications: ASTM B221-14      AMS-QQ-A200/8

Country of Origin: ONTARIO, CANADA

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Siddharth Desai - Tensile Testing

Authorized:

  
Evan Eng, Quality Assurance Manager

---

CERTIFICATION DU MATÉRIEL

CLIENT:  
SALABERRY-DE-VALLEYFIELD

ACIER OUELLETTE INC DIV.DE  
935 BOUL DU HAVRE  
SALABERRY-DE-VALLEYFIELD, QUEBEC  
QC J6S 5L1

NUMÉRO DE COMMANDE: 14719860 000010  
COMMANDE DU CLIENT: AC11380  
NUMÉRO DE PIÈCES:  
NUMÉRO DE LIVRAISON: 803398005 000010

NUMÉRO D'ARTICLE: 160001421  
DESCRIPTION INVENTAIRE: FLT EXT 6061 T6511 2 X 3.5 X 144

DESCRIPTION ARTICLE FINIS: ALUM Barre PLTE EXT 6061 T6511  
2po X 3.5po X 144po

NUMERO (S) DE COULÉE      BRAME / BOBINE / TIN (le cas échéant)  
874424                              345464

**CERTIFICATION**

Un sondage de nos sources matérielles a indiqué que ni le mercure ni des substances radioactives ne sont introduits dans leurs produits ni ne sont utilisés dans aucun de leurs procédés. Alors que nous ne faisons aucun test indépendant pour le mercure ou la radiation, il n'y a rien dans le système de Ryerson qui pourrait entraîner la contamination de l'un ou l'autre type.

Ce document certifie que le matériel décrit ci-dessus a été expédié conformément à votre commande. Le producteur du matériel a certifié à Ryerson qu'il a été produit conformément aux spécifications suivantes:

ASTM B221

11/20/2017

  
Thomas Endres  
Vice-président - Approvisionnement

SIGNATURE  
ALUMINUM  
CANADA

# CERTIFICATE OF COMPLIANCE

**SIGNATURE ALUMINUM CANADA**  
1850 CLEMENTS RD  
PICKERING, ON L1W 3R8

Cert Date	Cert No.	Sales Order	Page
12/09/2016	5410872	125965	1
Cust PO	B/L No	Lot	Date
787450	029541	874424	12/11/16

Sold To		Ship To	
Item No.	Part No.	Item Description	Cust Part
001	C-012923-1	144" Mill 6061 T6511	5131-9727 2X3.5 FLT BAR
Gross Weight	1,378 LBS		
Net Qty	1,349 LBS      14 PCS      2 PKGS		
Specification		Die Desc	
AMS QQA 200/B + ASTM B221			

## Mechanical Tests:

<u>Tensile</u>	<u>Yield</u>	<u>% Elongation</u>	<u>Conductivity</u>	<u>HRE</u>
<u>MPA / KSI</u>	<u>MPA / KSI</u>			
368.3 / 53.4	338.0 / 49.0	15.7	N/A	92

## Chemical Analysis:

<u>Si</u>	<u>Fe</u>	<u>Cu</u>	<u>Mn</u>	<u>Mg</u>	<u>Cr</u>	<u>Zn</u>	<u>Ti</u>	<u>V</u>	<u>Zr</u>
0.63	0.28	0.23	0.04	0.86	0.07	0.04	0.01	0.01	0.00

*This Material is Made in Canada*

*This Material is RoHS Compliant*

This will certify that the material described herein has been inspected and tested in accordance with Signature Aluminum Canada's standard sampling and testing procedures or in accordance with the requirements of any specification forming a part of the material description to the extent indicated herein. Data of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

S. Mazzotta  
Director of Quality  
Signature Aluminum Canada Inc

ISO 9001/TS16949 Registered Company

Visit us at [www.signaturealuminum.com](http://www.signaturealuminum.com)

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 304 12.0375  
 DATE: 12-11-28

PO / BATCH NO.: 38398 / 5012848

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 61'  
 QUANTITY INSPECTED: 61'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375  
 THICKNESS RECEIVED: 0.375  
 SHEET SIZE ORDERED: 0  
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	N	.757M-A 276
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	HT: CH 3890
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>9-88</u> DATE: <u>NOV 28 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



8  
7  
6  
5  
4  
3  
2



M304R	D.DDD	DIA.
-------	-------	------

EG. 0.75" ROUND BAR = M304R0.750

RELEASED  
1988/25/M

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**SPECIFICATION CONTROL DRAWING**

PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR  
(NOTE: AISI 303 NOT ACCEPTABLE)

**△B** SPECIFICATION: ASTM A276

PART NUMBER: M304R[D.DDD]  
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M304R0 750

RELEASED  
R 08/23/15

B	REFORMAT DWG. ADD SPECS (ZN D6-1), REF PAR 08-020A	CP	09 07 15
A	NEW ISSUE	AJS	08 03 03
REV	DESCRIPTION	BY	DATE
DESIGN	ASS		
DRAWN	QA		
CHECKED	LS		
MFG. APPR.	MD		
APPROVED	JM		
DE APPR.			
DATE	09.07.15		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B SHEET 1 OF 1	
TITLE 304/316 ROUND BAR		SCALE NTS	
COPYRIGHT © 2008 BY DART AEROSPACE LTD ALL RIGHTS RESERVED. NO PART OF THIS PUBLICATION MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.			

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304 12.250  
DATE: 17-11-28

PO / BATCH NO.: 32398 / 5012847

MATERIAL CERT REC'D: Yes  
QUANTITY RECEIVED: 12'  
QUANTITY INSPECTED: 12'  
QUANTITY REJECTED: 0

THICKNESS ORDERED: .250  
THICKNESS RECEIVED: .250  
SHEET SIZE ORDERED: Ø  
SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	ASTM - A276
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	HIT: 3977
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>36</u>	SIGNED OFF BY: _____		
DATE: <u>NOV 28 2017</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4-R0 750

PO / BATCH NO.: 38398/5012846

DATE: 17-11-28

MATERIAL CERT REC'D: \_\_\_\_\_

THICKNESS ORDERED: 1.750

QUANTITY RECEIVED: 12'

THICKNESS RECEIVED: 1.750

QUANTITY INSPECTED: 12'

SHEET SIZE ORDERED: 0

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	ASTM-A369
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	HT 351L
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.

RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY: 2-BC NOV 28 2017

SIGNED OFF BY: \_\_\_\_\_

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 1430452064  
 DATE: 17-11-23

PO / BATCH NO.: 038398/5012844

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 4x 4x8  
 QUANTITY INSPECTED: 4x 4x8  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 206  
 THICKNESS RECEIVED: 206  
 SHEET SIZE ORDERED: 4x8  
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	N	ASTM A270
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	FIT: 160629502
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: _____ DATE: _____	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 17-4 PH / S17400 / TYPE 630 SS ROUND BAR  
GRAIN MUST BE ALONG LENGTH OF BAR  
MINIMUM YIELD STRENGTH PER TABLE  
MINIMUM ULTIMATE STRENGTH PER TABLE

SPECIFICATION: AMS 5643 OR ASTM A564  
PART NUMBER: M17-4-11HHH-R | X.XXX | WHERE: HHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW)  
COND | O.D.

MATERIAL CONDITION TABLE:

CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)
(OMITTED)	NONE SPECIFIED (CONDITION A NOT ACCEPTABLE)	100	150
H900	H900	170	190
H925	H925	155	170
H1025	H1025	145	155
H1075	H1075	125	145
H1100	H1100	115	140
H1150	H1150	105	135
CONDA	CONDITION A (SOLUTION TREATED)		

NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS  
MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE  
CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

EXAMPLES:

PART NUMBER  
4.000" DIAMETER BAR MIN UTS = 150 KSI, MIN YTS = 100 KSI  
2.500" DIAMETER BAR H900 CONDITION  
3.250" DIAMETER BAR H1025 CONDITION  
0.750" DIAMETER BAR A CONDITION

RELEASED  
2017-10-31  
E(w17-728)

APPROVED

C	ADDED MATERIAL CONDITION (CIR17-107)	NO	17.09.14
B	REFORMAT DWS: S17400-630 ADDED TO PURCHASE MATERIAL (CN 08-1), ADD A564 SPEC (C8-1).	VS	10.05.20
A	NEW ISSUE	CP	05.03.16
REV	DESCRIPTION	BY	DATE
DESIGN	NO		
DRAWN	NO		
CHECKED	CP		
MFG. APPR.	RA		
APPROVED	WM		
DE APPR.	CP		
DATE	17.09.14		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M17-4-R			
SHEET 1 OF 1			
SCALE NTS			
17-4 SS ROUND BAR			
DATE 17.09.14			
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# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION:

MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240

FINISH:

DART M-NUMBER

IDENTIFIER  
1P  
2D  
3P  
4P  
6P  
7P  
8P  
NONE

PART NUMBER:

M304S TT GA #P  
GA

WHERE "TT" = GAUGE THICKNESS  
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0189 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.08375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

**RELEASED**  
2015 FEB 04  
ECN 15-122 97

D	ADDED GAUGES 0-7.	AJS	15.01.06
C	DEFINED FINISH OPTION IN CR AND EXAMPLE OF MATERIAL FIN WITH FINISH OTHER THAN 2B (ZN B5).	MB	12.09.20
B	REFORMAT DWG, ADD ASTM/ASME SPECS (ZN D8-1), ADD GAUGE REF (C8-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	AJS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	15.01.06		

<b>DART AEROSPACE LTD</b>	
HAWKESBURY, ONTARIO, CANADA	
DRAWING NO.	M304S
REV. D	SHEET 1 OF 1
TITLE	304/316 SS SHEET
SCALE	NTS

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Customer Name  
ACIER OUELLETTE INC

Customer PO#  
OU-72894

Invoice No  
61513

Shipper No  
57600

Heat Number  
55728



**BRIGHTSTEELS**  
LIMITED

MANUFACTURERS OF BRIGHT STEEL BARS IN ALL SECTIONS  
NORTHON WORKS - MALTON - NORTH YORKSHIRE - ENGLAND - YO17 9BD

T: +44 (0) 1653 602122

F: +44 (0) 1653 695056

E: export@bright-steels.com

Certificate Of Analysis

Date : 22/07/2015

Number : 100156

VAT Registration No. 166 8255 35

Invoice To:

Deliver To:

UNLESS AGREED OTHERWISE THE MATERIAL DETAILED BELOW HAS BEEN INSPECTED AND  
TESTED ACCORDING TO PROCEDURES RELATIVE TO OUR BS EN ISO 9001 REGISTRATION  
TO COMPLY WITH THE REQUIREMENTS OF THE SPECIFICATION AND ORDER.  
CONFORMS TO EN 10204 2.2. ORIGINAL CERTIFICATES ARE HELD ON FILE.

ORDER LINE	DESCRIPTION AND ORDER DETAILS	CAST NO.	BATCH NO	DESPATCH WEIGHT	UOM
---------------	----------------------------------	----------	----------	--------------------	-----

3	1/2" X 4 1/2"	05133	PRD-10024801	992	LBS
---	---------------	-------	--------------	-----	-----

CAST 05133	C %	SI %	Mn %	P %	S %	Cr %	Mo %	Ni %	Cu %	Sn %	Al %
	0.170	0.240	0.770	0.016	0.035	0.260	0.050	0.170	0.190	0.018	0.002
	V %	N %									
	0.008	0.0100									

BRIGHT MILD FLAT TO ASTM A29-03 (A108-99) 1018  
IN 11'6" / 12'6" LENGTHS  
TARIFF NO. 7215.50.11

4	1/2" X 5"	55728	PRD-10024901	2143	LBS
---	-----------	-------	--------------	------	-----

CAST 55728	C %	SI %	Mn %	P %	S %	Cr %	Mo %	Ni %	Cu %	Sn %	Al %
	0.180	0.240	0.850	0.010	0.007	0.010	0.001	0.016	0.008	0.002	0.001
	V %	N %									
	0.005	0.0030									

BRIGHT MILD FLAT TO ASTM A29-03 (A108-99) 1018  
IN 11'6" / 12'6" LENGTHS  
TARIFF NO. 7215.50.11

5	1/2" X 6"	05002	PRD-10024701	2057	LBS
---	-----------	-------	--------------	------	-----

CAST 05002	C %	SI %	Mn %	P %	S %	Cr %	Mo %	Ni %	Cu %	Sn %	Al %
	0.170	0.180	0.740	0.014	0.035	0.190	0.030	0.160	0.210	0.014	0.004
	V %	N %									
	0.007	0.0100									

Signed :

M. J. Ego

FOR 125

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304516 GA

PO / BATCH NO.: 032398/5012845

DATE: NOV 29 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .63

QUANTITY RECEIVED: 96

THICKNESS RECEIVED: .63

QUANTITY INSPECTED: 96

SHEET SIZE ORDERED: 4x8

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL PER M-DRAWING	Y N	Astm A240/A240m
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	HT: 514412
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>  <i>ml</i>  </u>	SIGNED OFF BY: _____
DATE: <u>NOV 29 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION:  
MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240

FINISH:

FINISH IDENTIFIER  
UNPOLISHED No. 1  
UNPOLISHED No. 2D  
UNPOLISHED No. 2B  
POLISHED No. 3  
POLISHED No. 4  
BUFFED No. 6  
BUFFED No. 7  
BUFFED No. 8

PART NUMBER:

M304S TT GA #P  
GA

WHERE "TT" = GAUGE THICKNESS  
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

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15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.08625	0.084 - 0.096
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0	0.3125	0.301 - 0.325



RELEASED  
2015 FEB 04  
ECN 15-122 47

D	ADDED GAUGES 0-7.	A/S	15.01.06
C	DEFINED FINISH OPTION (2N CB AND EXAMPLE OF MATERIAL FIN WITH FINISH OTHER THAN 2B (2N B5).	MB	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (2N DB-1). ADD GAUGE REF (CB-1). REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	ALS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	15.01.06		
DART AEROSPACE LTD HAMMERSBURY, ONTARIO, CANADA			
DRAWING NO. M304S			
304/316 SS SHEET			
REV. D			
SHEET 1 OF 1			
SCALE			
NTS			

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